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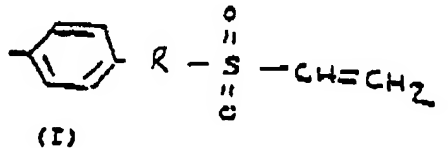
SEP 22 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A divinylbenzene cross-linked polystyrene polymer comprising a side chain of formula I:



wherein group R is an alkyl, aryl, oxyalkyl or oxyaryl linker group:

2. (Currently Amended) A divinylbenzene cross-linked polystyrene polymer as claimed in claim 1 having a backbone comprising an ethylene grouping which is attached to the side chain.
3. (Currently Amended) A divinylbenzene cross-linked polystyrene polymer as claimed in ~~either one of claims 1 and 2~~ claim 1 wherein group R is a C₁₋₁₀ alkyl or oxyalkyl group.
4. (Currently Amended) A divinylbenzene cross-linked polystyrene polymer as claimed in claim 3 wherein group R is a C₁₋₆ alkyl group.
5. (Currently Amended) A divinylbenzene cross-linked polystyrene polymer as claimed in claim 4 wherein said side chain is of formula II:

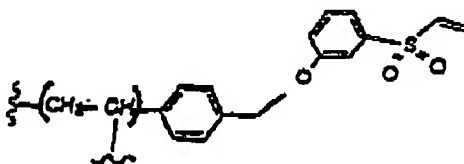
II



wherein $\text{-(CH}_2\text{-CH)}_n$ is part of the backbone of the polymer.

6. (Currently Amended) A divinylbenzene cross-linked polystyrene polymer as claimed in ~~either one of claims 1 and 2~~ claim 1 wherein said side chain is of formula III:

III



wherein $\text{-(CH}_2\text{-CH)}_n$ is part of the backbone of the polymer.

7. (Currently Amended) A divinylbenzene cross-linked polystyrene polymer as claimed in ~~any one of claims 1 to 6~~ claim 1 in the form of a resin suitable as a support for solid phase chemical reactions.

8. (Currently Amended) A method of producing a divinylbenzene cross-linked polystyrene polymer as claimed in ~~any one of claim 1 to 6~~ claim 1 wherein a Merrifield resin is reacted to replace the chlorine atom thereof with a sulphur containing group which is subsequently oxidised to yield a vinyl sulphone moiety of formula I.

9. (Currently Amended) A method of producing a solid-phase reactant for a solid-phase chemical reaction, said reactant comprising a complex of a substrate moiety and a resin comprising a polymer as claimed in ~~any one of claims 1 to 7~~ claim 1, wherein said complex is produced by reacting a precursor substrate with a functional group on the resin.

10. (Currently Amended) A method of chemical synthesis involving a chemical reaction wherein one of the substrates of said reaction is in the form of a solid-phase complex with a resin comprising a polymer as claimed in ~~any one of claims 1 to 7~~ claim 1.

11. (Currently Amended) A microreactor comprising a resin material as a support matrix for a solid-phase chemical reaction, wherein said resin material comprises a polymer as claimed in ~~any of claims 1 to 7~~ claim 1.